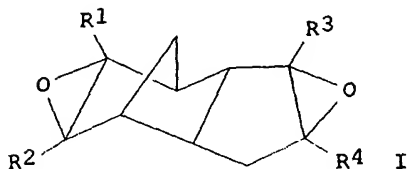


AN 1998:421502 HCAPLUS
 DN 129:82364
 TI Cyclopentadiene dimer diepoxides and polymerizable compositions
 containing
 them
 IN Lee, Shotaku; Lin, Shoujiki; Ishikawa, Hidenobu
 PA Dainippon Ink and Chemicals, Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C07D493-04
 ICS C08G059-02
 CC 37-2 (Plastics Manufacture and Processing)
 Section cross-reference(s): 28, 38, 42
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------------|------|----------|-----------------|----------|
| PI | JP 10175979 | A2 | 19980630 | JP 1996-339615 | 19961219 |
| OS | MARPAT 129:82364 | | | | |
| GI | | | | | |



AB Title compns. contain epoxides I (R1-R4 = H, alkyl; .gtoreq.1 of R1-R4 = alkyl) and cationic polymn. catalysts. The compns. are useful for coatings, inks, adhesives, optical materials, etc. Thus, methylcyclopentadiene dimer was oxidized by m-ClC6H4CO3H in the presence of NaHCO3 at 20.degree. for 30 min to give 61% I (R1 = R3 = Me, R2 = R4 = H) showing pKb 6.19 and curing rate 4.67 s-1 when cured under UV irradiation using UVI 6970 (Ph3S+SbF6-) as a catalyst.

ST cyclopentadiene dimer epoxide monomer curability; cationic polymer catalyst
 cyclopentadiene dimer epoxide; coating cyclopentadiene dimer epoxide monomer; ink cyclopentadiene dimer epoxide monomer; adhesive cyclopentadiene dimer epoxide monomer

IT Adhesives
 Cationic polymerization catalysts
 Coatings
 Inks
 (cyclopentadiene dimer diepoxides for polymerizable compns.)

IT Monomers
 RL: IMF (Industrial manufacture); PRP (Properties); RCT (Reactant); PREP (Preparation)
 (cyclopentadiene dimer diepoxides for polymerizable compns.)

IT Epoxy resins, preparation
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (cyclopentadiene dimer diepoxides for polymerizable compns.)

IT 125054-47-9, UVI 6970

RL: CAT (Catalyst use); USES (Uses)
(catalyst; cyclopentadiene dimer diepoxides for polymerizable compns.)
IT 209406-31-5P
RL: IMF (Industrial manufacture); PRP (Properties); RCT (Reactant); PREP
(Preparation)
(cyclopentadiene dimer diepoxides for polymerizable compns.)
IT 209406-32-6P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material
use); PREP (Preparation); USES (Uses)
(cyclopentadiene dimer diepoxides for polymerizable compns.)